From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)

(PCT Rules 44bis.3(c) and 72.2)

To:

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Date of mailing (day/month/year) 29 June 2006 (29.06.2006)	
Applicant's or agent's file reference O07F1443	IMPORTANT NOTIFICATION
International application No. PCT/JP2004/012563	International filing date (day/month/year) 31 August 2004 (31.08.2004)
Applicant ONO P	HARMACEUTICAL CO., LTD. et al

 Transmittal of the translation to the ap 	ipplicant.
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•	The International Bureau transmits herewith a copy of the English translation of the international preliminary report or patentability (Chapter 1).
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The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference O07F1443	FOR FURTHER ACTION	Sec item 4 below			
International application No. PCT/JP2004/012563	International filing date (day/month/year) 31 August 2004 (31.08.2004)	Priority date (day/month/year) 01 September 2003 (01.09.2003)			
International Patent Classification (8tl See relevant information in Form F	h edition unless older edition indicated) PCT/ISA/237				
Applicant ONO PHARMACEUTICAL CO., L	TD.				

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).							
2.	This REPORT consists of a total of 6 sheets, including this cover sheet.							
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.							
3.	This report contains indications relating to the following items:							
	Box No. I	Basis of the report						
	Box No. II	Priority						
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
	Box No. IV Lack of unity of invention							
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
	Box No. VI	Certain documents cited						
	Box No. VII	Certain defects in the international application						
	Box No. VIII	Certain observations on the international application						
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).							

Date of issuance of this report 20 June 2006 (20.06.2006)

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PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION 007F1443 See paragraph 2 below International filing date (day/month/year) Priority date (day/month/year) International application No. PCT/JP2004/012563 31.08.2004 01.09.2003 International Patent Classification (IPC) or both national classification and IPC Applicant ONO PHARMACEUTICAL CO., LTD. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the IS/VJP Authorized officer Telephone No. Facsimile No.

International application No.
PCT/JP2004/012563

Box	o. I Basis of this opinion	
1.	Vith regard to the language, this opinion has been established on the basis of the international application in the language in which it led, unless otherwise indicated under this item.	it was
	This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (u Rule 12.3 and 23.1(b)).	ınder
2.	Vith regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the clar expension, this opinion has been established on the basis of:	imed
	a. type of material a sequence listing table(s) related to the sequence listing	
	in written format in computer readable form	
	c. time of filing/furnishing contained in the international application as filed. filed together with the international application in computer readable form.	
	furnished subsequently to this Authority for the purposes of search.	
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been file furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application filed or does not go beyond the application as filed, as appropriate, were furnished.	d or on as
4.	dditional comments:	

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Box No. III	Non-establishment of o	opinion with regard to novelty, inventive step and industrial applicability
The questions whapplicable have no	ether the claimed inventi of been examined in respec	ion appears to be novel, to involve an inventive step (to be non obvious), or to be industrially
the ent	ire international applicatio	on .
N 7	Nos. 16, 17	
because: the said relate to	the following subject man	or the said claims Nos. $\frac{16}{100}$ 17 $\frac{16}{100}$ 1. The said claims Nos. $\frac{16}{$
10 00	nus relate to a sut	17 relate to methods for treatment of the human body by therapy oject for which this International Search Authority is not required my search under the provisions of PCT Article 17 (2)(a)(i) and
are so un	clear that no meaningful o	s (indicate particular elements below) or said claims Nos. opinion could be formed (specify):
by the des		ul opinion could be formed. ren established for said claims Nos. 16, 17
		quence listing does not comply with the standard provided for in Annex C of the Administrative
the writter	1 form	has not been furnished does not comply with the standard
the сотра	ter readable form	has not been furnished does not comply with the standard
the tables i	related to the medeotide a equirements provided for it	and/or amino acid sequence listing, if in computer readable form only, do not comply with the n Annex C-bis of the Administrative Instructions.
	mental Box for further deta	

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Box No. V	Reasoned stateme citations and expl	nt under Ru anations su	ule 43bis.1(a) pporting such	(i) with rega 1 statement	rd to no	velty, i	nventive ste	p or industri	al applicability	·:
1. Statemen	nt									
Nove	lty (N)	Claims	_3-15,	18						YES
		Claims	1, 2	-						_ NO
Inven	tive step (IS)	Claims	3-15,	18						YES
		Claims	1, 2							NO
Indust	trial applicability (IA)	Claims	1-15,	18						YES
		Claims								- NO
										_

2. Citations and explanations:

Document I: TOUZEAU, F. et al, Journal of Medicinal Chemistry, 2003, Vol.46, No.10, pp.1962-1979

Document 2: MAYER, S. et al, Heterocycles, 2001, Vol. 55, No. 10, pp.1873-1888

Document 3: JP 11-92476 A (Adir et Companie) 06 April 1999

Document 4: EVANS, J. M. et al, Br. J. clin. Pharmac., 1989, Vol. 28, pp.125-135

Document 5: DENZILINGER, C. et al, Br. J. Pharmacol., 1991, Vol. 102, pp.865-870

Document 6: O'BYRNE, P.M.et al, Annals of the New York Academy of Science, 1994, Vol. 744, pp.251-261

Document 7: MURAKI, Masato et al, Allergy no Rinsho, 2002, Vol. 22, No. 10, pp. 759-764

*Claims 1 and 2

The inventions of claims 1 and 2 do not appear to possess novelty or involve an inventive step based on documents 1 and 2 cited in the ISR.

There are no differences in invention-specific matters between the invention of this application and the inventions described in documents 1 and 2 because the compounds described in schemes 7 and 8 in document 1 and the compound described in Fig. 2 in document 2 are included in the compounds described in claims 1 and 2 of this application.

*Claims 3-15 and 18

The inventions of claims 3-15 and 18 appear to possess novelty and involve an inventive step as they are not described in any of the documents cited in the ISR.

In particular, efficacy in treatment of cysLT2-mediated disease of compounds disclosed in the descriptions in the present application is neither described nor suggested.

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Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by

The inventions in claims 1-9, 11-15, and 18 include a vast plurality of compounds. However, no more than a very small portion of these compounds are supported by the

description in the sense of PCT Article 6 and disclosed therein in the sense of PCT Article 5. In addition, the wording "prodrug" in claims 1-18 renders the scope of the inventions of this application ambiguous because even if the contents of the description are investigated, which particular compounds are included or not included thereby cannot be stated as being clear.